

## **RAM-W™ Case Study for Small and Medium Water Utilities 2 - Day Workshop**

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|-------------------------|--|
| <b>Description:</b>     | <p>This workshop presents a case study of a security risk assessment methodology for small and medium water utilities. Major elements include:</p> <ul style="list-style-type: none"><li>• Planning</li><li>• Threat assessment</li><li>• Site characterization</li><li>• Consequence assessment</li><li>• System effectiveness</li><li>• Risk management</li></ul>  |
| <b>Content Modules:</b> | <p>There are twelve content modules that consist of lecture and group activities. Group exercises are used extensively throughout the workshop to help reinforce learning objectives.</p>  |
| <b>Requirements:</b>    | <p>A case study will be provided so that participants can use a fictitious small water utility for the group exercises. However, participants are strongly encouraged to bring a system diagram of their entire supply, treatment, and distribution system, as well as statistical information on major facilities. Participants who bring their own information can directly apply the RAM-W™ process to their utility during the course. Information to include:</p> <ul style="list-style-type: none"><li>• Major pumping stations</li><li>• System capacity and redundancy</li><li>• Water treatment processes</li><li>• Chemicals used</li><li>• Wells: capacity and number</li><li>• Major storage reservoirs: capacity and number</li><li>• Minimum and maximum daily demands</li></ul> |
| <b>Participants:</b>    | <p>Individuals who should attend this workshop:</p> <ul style="list-style-type: none"><li>• Managers or Project Leaders responsible for security</li><li>• Consultants working with water utilities</li></ul>  |
| <b>Security:</b>        | <p>This workshop is unclassified but the training materials are proprietary and copyright protected.</p>   |
| <b>Title:</b>           | <p>Risk Assessment Methodology for Water (RAM-W™), Case Study for Small and Medium Water Utilities</p>   |
| <b>Duration:</b>        | <p>2.0 days</p>  |

# RAM-W™ Case Study for Small and Medium Water Utilities

## 2 - Day Workshop

**Method:** Lecture  
Guided Discussions  
Group Exercises

**Classification:** Unclassified

**Goal:** To introduce participants to the entire process of security risk assessment as applied specifically to small and medium water utility systems.

### SCHEDULE

|       | <b>Day One</b>                              | <b>Day Two</b>                                  |
|-------|---|---|
| 8:00  | Registration, Welcome                       | Review, Questions, Discuss                      |
|       | 1.0 Introduction                            | 6.0 Consequence Assessment (cont'd)             |
| 9:00  |   |   |
|       | 2.0 Overview of RAM-W™                      | 7.0 Physical Protection Systems                 |
| 10:00 |   |   |
|       | <i>Break</i>                                | <i>Break</i>                                    |
|       |   |   |
| 11:00 | 3.0 Planning for a Security Risk Assessment | 8.0 System Effectiveness                        |
| 12:00 |   |   |
|       | <b>LUNCH</b>                                | <b>LUNCH</b>                                    |
| 1:00  |   |   |
|       | 4.0 Threat Assessment                       | 9.0 Risk Analysis                               |
| 2:00  |   |   |
|       | <i>Break</i>                                | <i>Break</i>                                    |
|       |   |   |
| 3:00  | 5.0 Site Characterization                   | 10.0 Risk Reduction and Best Business Practices |
|       |   |   |
|       | <i>Break</i>                                | <i>Break</i>                                    |
| 4:00  |   |   |
|       | 6.0 Consequence Assessment                  | 11.0 Final Report                               |
|       |   | 12.0 Summary and Review                         |
| 5:00  |   |   |